

UROSKOP ACCESS

SP

Software

System

Installation of Application SW VD46A

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Prerequisites

Abbreviations

CS	Customer Service
FLC	FLUOROSPOT Compact imaging system
HDD	Hard disk drive
SRS	Siemens Remote Service

Required documents/software

Documents

Siemens Remote Service; Installation of SRS	SP00-000.816
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Software

FLC Online Help for UROSKOP Access	SPL5-330.880.01
Online System Help	n.a.

Introduction

This document describes the installation of the FLC application software on an Econel 30 PC. It is valid only for the SW version mentioned on the cover sheet.

To install the software, you will need the corresponding SW installation CD.

The CD drive must have higher priority than the hard disk as the boot device for the setup.

Software installation

Entering the FLC service mode

The service mode is intended for SIEMENS Service only and is protected by a password.

- Select the “Settings”/”Einstellungen” sub task card in the patient list.
- Select the “Service”/”Service-Anmeldung” button (Fig. 2 / p. 5).
 - The following window appears.

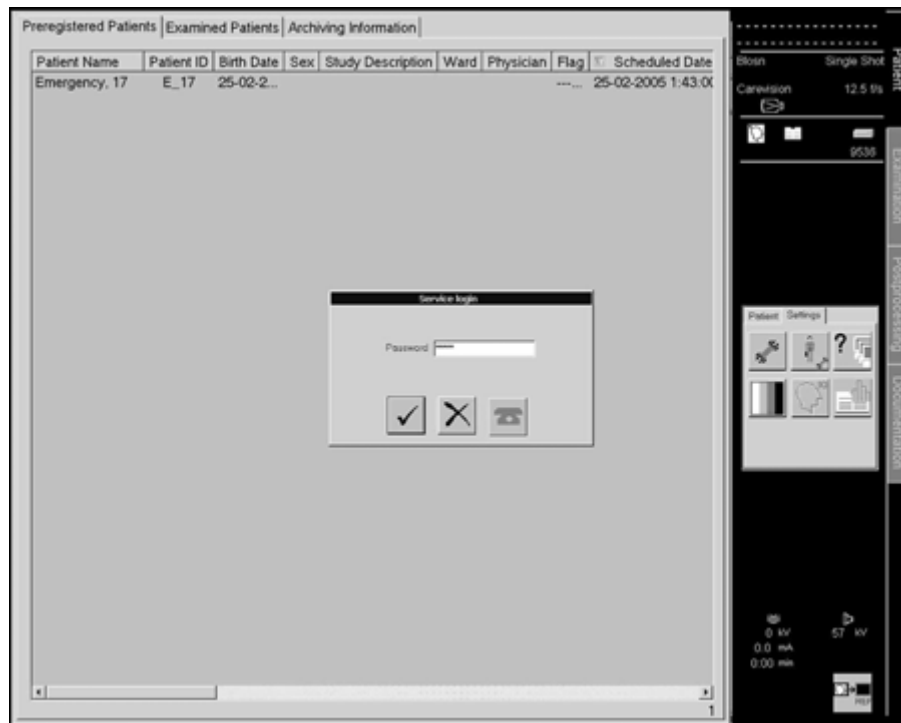


Fig. 1:



Fig. 2:

NOTE

The corresponding password is listed in the SP Password List, which is published in the CS Knowledge Base.

- Enter the service password and confirm by selecting the checkmark button (Fig. 1 / p. 5).

- If the entry is accepted, the service window appears with the following menu bar (Fig. 3 / p. 6).



Fig. 3:

Prerequisites

- If you have the HIPAA option installed, make sure, together with the network administrator, that an up-to-date backup of the HIPAA users exists.
- Make sure that an up-to-date FLC configuration backup exists.
 - Create a backup according to Online System Help.
- Write down the network settings as follows:
 - Switch on the system.
 - Start the FLC service mode.
 - Select **System** in the main service menu.
 - Select the **System Settings** task card.
 - Select the **Control Panel** button.
 - Double-click on the **System** icon.
 - ⇒ The “System Properties” window appears.
 - Select the **Network Identification** task card.
 - Click on the **Properties** button.
 - Enter the data for the computer name and workgroup and, if applicable, the domain in Tab. 1.
 - Close the windows via **Cancel**.

Tab. 1

Computer Name	
Workgroup	
Domain	

- Saving the FLC network parameters:
 - Double-click on the **Network and Dial-up Connections** icon in the “Control Panel” window.
 - Double-click on **Local Area Connection**.
 - Select the **Properties** button.
 - Double-click on **Internet Protocol**.
 - Enter the following data for the FLC in Tab. 2 , if used.
 - Close all windows via the **Cancel** or **Close** button.

Tab. 2

IP Address	
Subnet Mask	
Default Gateway	
Preferred DNS Server	

- Note the DICOM Serial No. in Tab. 3.

Tab. 3

DICOM Serial Number	
----------------------------	--

NOTE

The DICOM Serial No. is created using the system serial no. (on the label with model no. “3783300”; (Fig. 4 / p. 7)) as follows:

Add the last three digits of the system serial number to "10000" (e. g. $10000 + 002 = 10002$; (Fig. 4 / p. 7)).



Fig. 4: Label - system serial no.

- If SRS/System Management is currently installed, verify whether any static routes are configured for the network destinations **SRS Access Server** and **System Management Server** as follows:
 - Select **System > System Settings > Control Panel**.
 - Click on the **Folders** button in the menu bar and select the path: **C:\WINNT\System32**.
 - Double-click on **CMD.exe** to open a command window.
 - In the command window, type the **route print** ↵ command.
 - ⇒ The active routes are displayed (Fig. 5 / p. 8).

```

Microsoft Windows 2000 [Version 5.00.2195]
(C) Copyright 1985-2000 Microsoft Corp.

C:\WINNT\system32>route print

=====
Interface List
0x1 ..... MS TCP Loopback interface
0x10000003 ...00 30 05 4a 4f 9b ..... Intel 8255x-based Integrated Fast Ethernet
=====
Active Routes:
Network Destination        Netmask          Gateway          Interface        Metric
0.0.0.0                    0.0.0.0          157.163.201.61   157.163.201.127   1
127.0.0.0                  255.0.0.0        127.0.0.1        127.0.0.1         1
157.163.201.0              255.255.255.0    157.163.201.127  157.163.201.127   1
157.163.201.127           255.255.255.255   127.0.0.1        127.0.0.1         1
157.163.255.255           255.255.255.255   157.163.201.127  157.163.201.127   1
194.138.39.18             255.255.255.255   157.163.201.61   157.163.201.127   1
194.138.39.19             255.255.255.255   157.163.201.61   157.163.201.127   1
224.0.0.0                 224.0.0.0        157.163.201.127  157.163.201.127   1
255.255.255.255          255.255.255.255   157.163.201.127  157.163.201.127   1
Default Gateway:          157.163.201.61
=====
Persistent Routes:
Network Address          Netmask          Gateway Address    Metric
194.138.39.18           255.255.255.255   157.163.201.61      1
194.138.39.19           255.255.255.255   157.163.201.61      1
C:\WINNT\system32>
  
```

Fig. 5: Print route

- Pos. 1 Static route to SRS access server
- Pos. 2 Static route to Magic Watch server
- Pos. 3 Local gateway

- If any static routes are configured, make a note of them for the above-listed destinations (Fig. 5 / p. 8) in Tab 5.
- ⇒ In the example in (Fig. 5 / p. 8), these are the **SRS Access Server** (1/Fig. 5 / p. 8) and **System Management Server** (2/Fig. 5 / p. 8) network destinations.

NOTE

Data packets for these destinations are routed over the local gateways (3/Fig. 5 / p. 8).

- Tab. 4 shows the possible IP addresses for the **SRS Access Server** and **System Management Server** network destinations.

Tab. 4

	SRS Access Server		System Management/Magic Watch Server	
	IP Address	Server Name	IP Address	Server Name
Europe & Middle East	194.138.39.18	lux09505	194.138.39.19	lux09330
America	129.73.116.92	srsacc1	129.73.116.91	srsmon1
Asia	194.138.243.178	sgpt806x.siemens.com.sg	194.138.39.19	lux09330

- Close all windows via the **X** button in the top right corner of the windows.

Tab. 5

	Network Destination	Gateway
SRS Access Server		
System Management/Magic Watch Server		

- Read out the settings for Magic Watch, if applicable.
 - Select **System > Magic Watch** from the main service menu.
 - Enter the **Server name, server TCP/IP address** and the **Local host NAT TCP/IP address** (if used) in the table below.

Tab. 6

Server Name	
Server TCP/IP Address	
Local Host Network Address Translation	
Local Host NAT TCP/IP Address¹	

1. If local host network address translation is set to Yes.

- Exit service mode.
- Switch off the system.

Keyboard layout

NOTE

English is set as the default layout for the keyboard. (Fig. 6 / p. 10) shows the English layout for the keyboard. This is intended to serve as an aid in finding keys if the existing keyboard does not have the English layout.



Fig. 6:

Preparations

NOTE

For the following steps, it is important for the computer to recognize the CD drive as the bootable device.

Therefore, you have to change the BIOS settings and set the CD drive as the primary boot device.

The old BIOS settings must be re-established at the end of the installation!

- Switch on the system.
- Press the **F2** key immediately after the start of the boot sequence.
 - ⇒ After approx. 30 sec., the FLC requests the password.

NOTE

The corresponding password is listed in the SP password list which is published in the CS Knowledge Base.

- Enter the password and confirm it with **OK**.
 - ⇒ The “PhoenixBIOS Setup Utility” menu appears.
- Select **Boot Options** from the **Main** menu and confirm with the **Return** key.

NOTE

Do not use the +/- keys on the numeric keypad because the key allocation of this medical keyboard differs from that of the keyboard of a home PC.

- Use the +/- keys on the keyboard to change the entry for **Boot Sequence** to **CD-ROM Drive** so that it appears at the top of the list.
- Use **ESC** to go back and select **Exit**.
- Insert the “Fluorospot Compact VD46A” CD in the CD drive and wait until the LED on the drive lights up without blinking.
- Select **Save Changes & Exit** and press **Return**.
- Confirm the “Setup Confirmation” request with **Yes (Return)**.
 - ⇒ The PC reboots from the CD drive and then the “FLUOROSPOT COMPACT Software Installation” menu appears ([Fig. 7 / p. 11](#)).

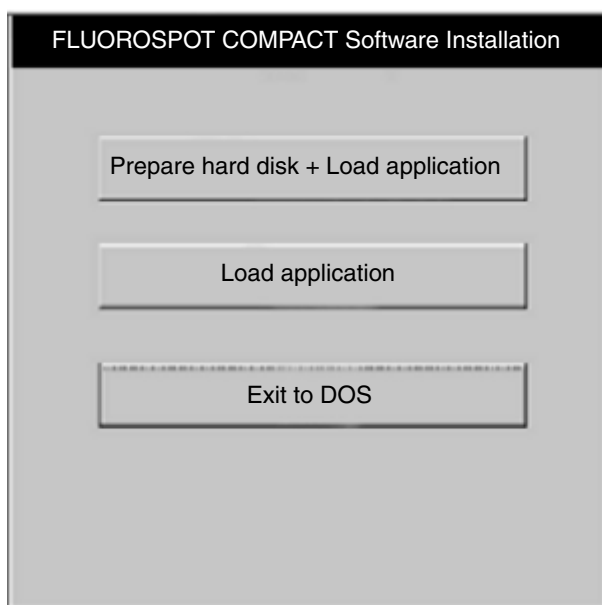


Fig. 7: FLUOROSPOT COMPACT Software Installation

NOTE

“Prepare hard disk + Load application”

This option is used if you want to install the entire application, the operating system and an empty image partition. If you choose this option, you will lose your medical studies. Continue at ([New installation of software including partitioning of the HDD / p. 12](#)).

“Load application”

This option is used if you need to install only the operating system and the application. The second partition of the HD with the medical studies is not affected. The existing medical studies are retained. Continue at ([New installation of software without partitioning the HDD / p. 14](#)).

New installation of software including partitioning of the HDD

- Click on **Prepare hard disk + Load application**.
 - ⇒ The following screen appears with a warning about the consequences.

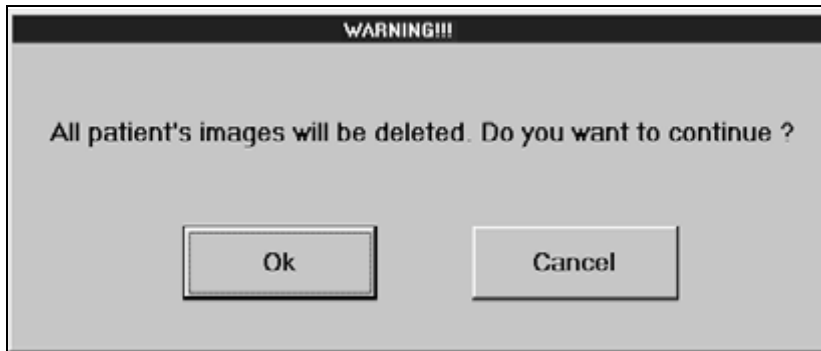


Fig. 8:

- Click on **OK** for the next screen.

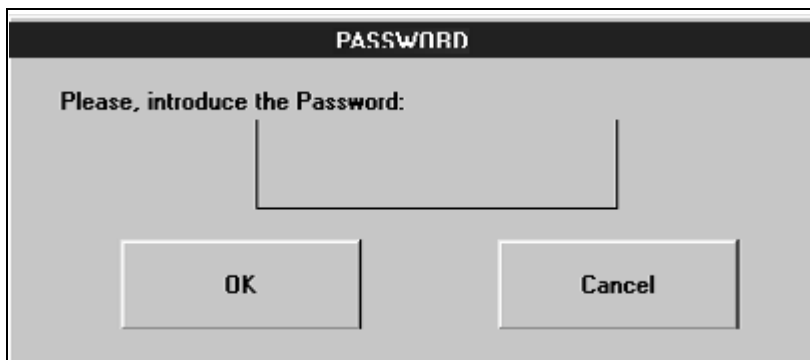


Fig. 9:

NOTE

The corresponding password is listed in the SP password list which is published in the CS Knowledge Base.

- Reenter the **password** ↵ and click on **OK** to start the process.
- ⇒ After a few seconds, the following screen appears ([Fig. 10 / p. 13](#)).



Fig. 10:

- Select **Continue**.
- ⇒ A warning about the risk of losing medical studies is displayed ([Fig. 11 / p. 13](#)).

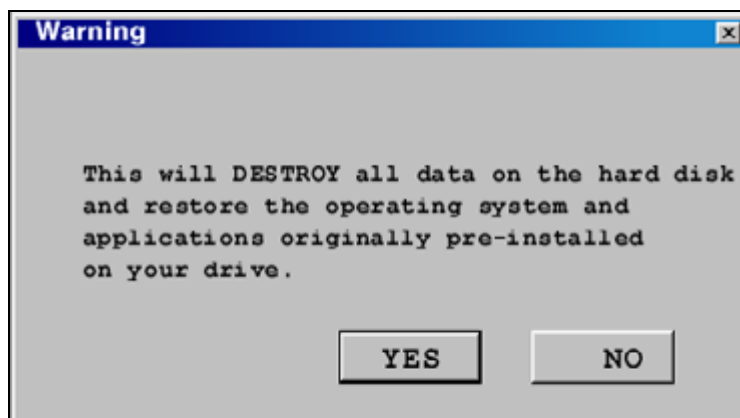


Fig. 11:

- Click on **YES** to start the installation.
- Continue with ([Reestablishing the FLC configuration / p. 15](#)).

New installation of software without partitioning the HDD

NOTE

Patient studies will not be deleted.

- Click on **Load application**.
 - ⇒ The following screen opens ([Fig. 12 / p. 14](#)).



Fig. 12:

- Select **Continue** to start the installation.
- Continue with ([Reestablishing the FLC configuration / p. 15](#)).

Reestablishing the FLC configuration

NOTE

A new window appears and displays the installation progress. This will take a few minutes.

- After the installation, the menu will appear again (Fig. 13 / p. 15).

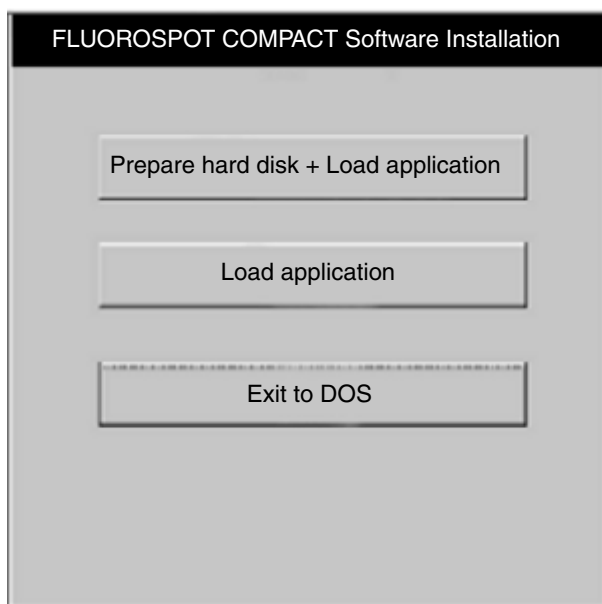


Fig. 13: FLUOROSPOT COMPACT Software Installation

- Click on **Exit to DOS**.
 - ⇒ The DOS prompt is displayed.
- Remove the “Fluorospot Compact VD46A” CD from the drive and press **Ctrl + Alt + Del** to reboot.
- During the subsequent reboot, the WINDOWS 2000 setup is performed automatically.
 - ⇒ Certain pop-up windows will appear. No user action is required.
- The system automatically reboots again and displays the FLC patient list.

VGA settings for the live monitor

- Enter the FLC service mode.
- Select **System > System Settings > Control Panel**.
- Double-click on the **Display** icon.
 - The “Display Properties” window opens.
- Select **1** in the “Drag the Monitor Icons...” sub menu of the “Settings” task card.
- Select the **Advanced...** button and subsequently the “Monitor Settings” task card.
- Click on the **Select Customizations From...** icon.
 - The “Matrox Monitor Wizard - Monitor List” window opens.
- Select **SIEMENS** from the pull-down menu and double-click on it.

- Select **17": 1703, 1702** and click on **Next** to go to the next window.
- Select **1280 x 1024, 8bit, 75 Hz** in the "Matrox Monitor Wizard - Monitor Profile Description" window and confirm with the **Next** button.

NOTE

The latter of the following two "Matrox PowerDesk" windows has to be confirmed with **Yes** within 15 sec.

- Select the **Yes, save any changes and apply...** button and confirm with the **Finish** button.
 - The following two "Matrox PowerDesk" windows have to be confirmed with **OK** and **Yes**, respectively.
- Close the "Default Monitor and Matrox..." window with **OK**.

VGA settings for the reference monitor (optional)

NOTE

The reference monitor must always be configured at the **UROSK-OP Access**.

- Click on the right (second) monitor symbol (1/ Fig. 14 / p. 16) and make sure that the **Extend my Windows desktop on this monitor** (2/ Fig. 14 / p. 16) checkbox is checked.
- Select **True Color (32 bit)** in the "Colors" pull-down menu (4/ Fig. 14 / p. 16).
- Confirm the settings with **Apply** if applicable.
- Select the **Advanced...** button and subsequently the "Monitor Settings" task card.
- Click on the **Select Customizations From...** icon.
 - The "Matrox Monitor Wizard - Monitor List" window opens.

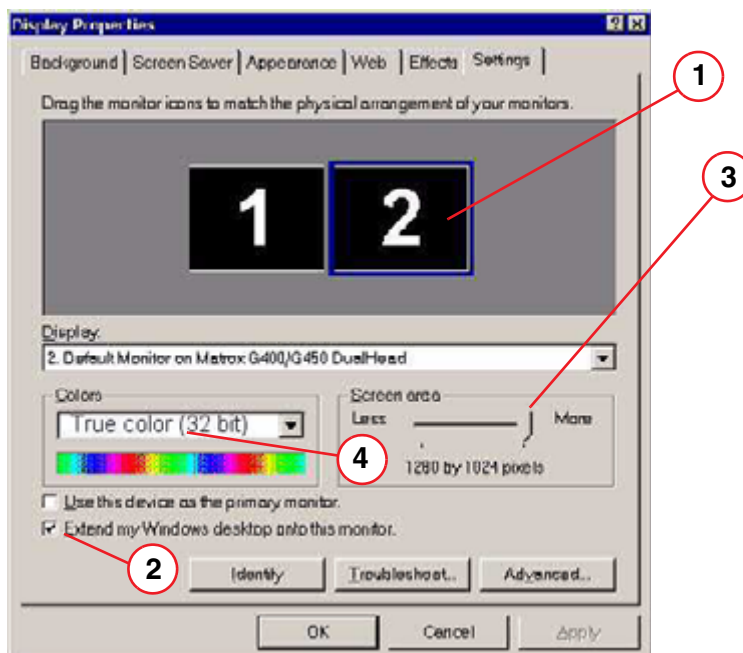


Fig. 14: Matrox display properties

- Select **SIEMENS** from the pull-down menu and double-click on it.
- Select **17”**: **1703**, **1702** and click on **Next** to go to the next window.
- Select **1280 x 1024**, **32bit**, **75 Hz** in the “Matrox Monitor Wizard - Monitor Profile Description” window and confirm with the **Next** button.

NOTE

The latter of the following two “Matrox PowerDesk” windows has to be confirmed with **Yes** within 15 sec.

- Select the **Yes, save any changes and apply...** button and confirm with the **Finish** button.
 - The following two “Matrox PowerDesk” windows have to be confirmed with **OK** and **Yes**, respectively.
- Open the “Options” task card in the “Default Monitor and Matrox” window and select the following options by checkbox:
 - “Prompt before applying desktop scheme”
 - “Show menus in visible display”
 - “Show Matrox QuickDesk icon on taskbar”
 - “Use bus mastering”
- Confirm the settings by pressing **Apply** and then **OK**.
- Close the “Display Properties” window with **OK**.
- Close the “Control Panel” window and select the “System Boot” task card.
- Select the **Reboot** button and confirm the pop-up window with **OK**.
 - The FLC reboots.

Setting the customer user interface language

- Start the FLC service menu.
- Select **System > System Settings**.
- In the control panel, double-click on the **Regional Options** icon.
- From the **Input Language** pull-down menu in the “Input Locales” tab card, select the same language for the keyboard layout that is to be selected for the customer UI.
- Press the **Set as Default** button.
- Select the **General** tab card.
- Select the language for the customer UI from the **Your Locale (Location)** pull-down menu. For this, you may select one of the following languages:
 - English (United States)
 - French (France)
 - German (Germany)
 - Spanish (Spain)

- Press the **Apply** button in the **Regional Options** window.
 - If **Required files are ...** appears (Fig. 15 / p. 18), confirm with **Yes**.
 - ⇒ The **You must restart ...** dialog then appears (Fig. 16 / p. 18). Close the window via **No**.
 - Close the **Regional Options** window with **OK**.
- Close the control panel.

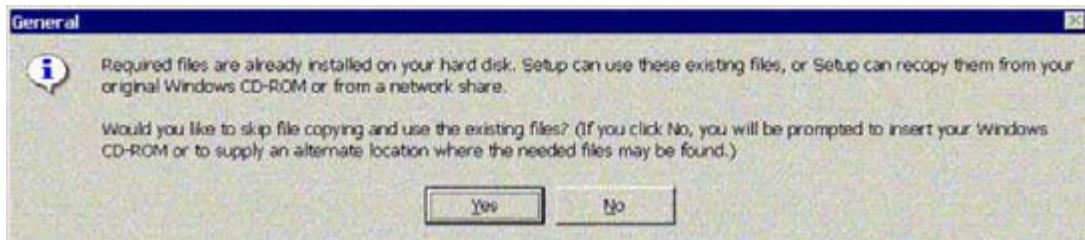


Fig. 15: Required files already installed

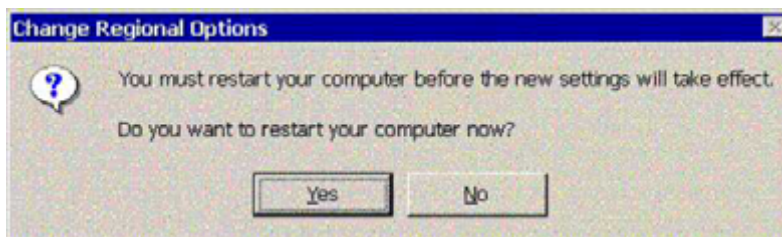


Fig. 16: Restart your computer

- Select **System > System Boot > Reboot** and confirm with **OK**.
 - ⇒ The FLC reboots automatically.

Restoring the backup

- Enter the FLC service menu.
- Select **System > System Settings**.
- Insert the backup CD into the drive and wait until the LED stops blinking.
 - Click on the **Restore** button.
 - Select the most current backup from the list and start the restore operation with **OK**.
 - Confirm all subsequent safety inquiries with **OK** or **Yes**.
 - When the restore operation is finished, remove the CD from the drive and close the drive.

Re-establishing the network configuration

- Select **System > System Settings > Control Panel**.

- Double-click on the **Network and Dial-up Connections** icon.
 - Double-click on **Local Area Connection**.
 - Select **Properties** in the **Local Area Connection Status** window.
 - Double-click on **Internet Protocol (TCP/IP)** in the **Components checked are used by this connection** pull-down menu.

NOTE

Check the following entries first and change entries only if something is incorrect.

- Enter the **Preferred DNS Server** value you noted in Tab. 2 for the FLC.
- Enter the **IP Address, Default Gateway, Subnet Mask** values you noted in Tab. 2.
- Close the window with **OK**.
- Close all further windows via the **X** in the top right corner of the windows.
- Select **System > System Settings > Control Panel**.
 - Double-click on the **System** icon.
 - ⇒ The **System Properties** window appears.
 - Select the **Network Identification** task card.
 - Click on the **Properties** button.
- Type in the previously noted entries for **Computer Name** and **Workgroup** or **Domain** ([Prerequisites / p. 6](#)).
- Close the window with **OK**.
- Confirm the following two windows with **OK**.
 - ⇒ The dialog box **Do you want to restart your computer now?** appears.
- Respond to the request with **No**.
- Select the **Folder** button in the Control Panel.

NOTE

The following steps apply when you have to re-establish static routes for SRS/System Management ([Prerequisites / p. 6](#)).

- Select Explorer in the FLC main service menu.
- Select the path C:\WINNT\system32\.
- Double-click on CMD.EXE to open a command window.
- Enlarge the command window.

NOTE

Use the noted IP addresses ([Prerequisites / p. 6](#)).

The syntax is as follows route -p ADD "IP address server" "IP address gateway" [e.g. route -p ADD 194.138.39.18 157.163.201.188].

- Type the **route -p ADD** ↵ command in the command window as described in the NOTE above.
- Re-establish both routes for SRS and System Management as described above.
- Close the command window via the **X** in the top right corner of the window.

Entering the FLUOROSPOT serial no.

- Select **System** and subsequently the **System Boot** tab card.
 - Select **Exit to DOS** and enter the password.

NOTE

The corresponding password is listed in the SP Password List which is published in the CS Knowledge Base.

- Open the Windows start menu via the **Start** button in the lower left corner and select **Programs > Enter Serial Number**.
 - ⇒ The window for the serial no. appears.
- Enter the DICOM Serial No. ([Prerequisites / p. 6](#)) and press **OK**.

Reconfiguring the BIOS settings

- Open the Windows start menu via the **Start** button in the lower left corner and select **Shut Down...** The Shut Down window appears.
 - Select **Restart** from the pull-down menu and close the window with **OK**.
- Press the **F2** key immediately after the start of the boot sequence.
- After approx. 30 sec., the FLC requests the password.

NOTE

The corresponding password is listed in the SP password list which is published in the CS Knowledge Base.

- After entering the password, the **Phoenix BIOS Setup Utility** menu appears.
- Select "Boot Options" from the **Main** menu and confirm with the **Return** key.

NOTE

Do not use the +/- keys on the numeric keypad because the key allocation of this medical keyboard differs from that of the keyboard of a home PC.

- Use the +/- keys on the keyboard to change the entry for "Boot Sequence" back to [Hard Drive] so that it appears at the top of the list.
- Use **ESC** to go back and select **Exit**.
- Select **Save Changes & Exit** and press **Return**.
- Confirm the "Setup Confirmation" request with **Yes (Return)**.
- The PC reboots from the HDD drive.
Wait until the FLC application software is running again.
- If the HIPAA dialog appears, log in as **Emergency**.

Image rescue

NOTE

This subchapter must be performed only if the software has been installed **WITHOUT** partitioning the HDD.

- Enter the service mode.
- Select **System** and then click on the **Image Rescue** tab card.
- Click on the **Image Rescue** button.
 - ⇒ Confirm the pop-up window with **OK**.
 - ⇒ After a few seconds, the message “Image save completed successfully” is shown.

If system management has to be reconfigured

NOTE

Prerequisite for the following configuration steps of system management is that the SRS router is set up correctly (refer to document “Siemens Remote Service; Installation of SRS”). Otherwise the system management installation will fail.

- Perform the SNMP configuration as described below.
 - Enter the service mode.
 - Select **System > System Settings**.
 - Select the **Control Panel** button and double-click on the **Administrative Tools** icon.
 - Double-click on the **Services** icon.
 - Double-click on **SNMP Service** in the list.
 - ⇒ The “SNMP Service Properties (Local Computer)” window appears.
 - Select the “Traps” tab card.
 - Enter **magicwatch** as the **Community Name** and press the **Add to List** button.
 - Press the **Add...** button under the **Trap Destinations** menu.
 - ⇒ The “SNMP Service Configuration” window appears.

- Enter the IP address for the system management server noted in Tab. 5.
- Complete the entry with the **Add** button.
- Select the **Security** tab card in the “SNMP Service Properties (Local Computer)” window.
- Check whether `magicwatch` is the only entry under **Accepted Community Names**. If not, click on all other entries and delete them with the **Remove** button. Press the **Add...** button and enter `magicwatch` as the “Community Name”. Select **READ ONLY** from the “Community Rights” pull-down menu. Close the selection window with the **Add** button.
- Check whether the IP address that was noted for the system management server in Tab. 5 is listed under **Accept SNMP Packets from these Hosts**. If not, select the **Accept SNMP Packets from these Hosts** button. Press the **Add** button.
- Enter the appropriate IP address in the “SNMP Service Configuration” window.
- Close the window with **Add**.
- Click on the **Apply** button.
- Close the “SNMP Service Properties (Local Computer)” window with the **OK** button.
- Close the “Services” and “Administrative Tools” windows.
- Starting up system management
 - Select **System > Magic Watch** from the main service menu.
 - Verify that the “server name”, “server TCP/IP address” and the “local host NAT TCP/IP address” (if used) are the same as noted in Tab. 6 at the beginning.
 - Press the **Install** button.
 - ⇒ A command window pops up in the bottom right corner of the monitor. The installation process takes approx. 7 minutes.
 - ⇒ After the system management installation routine is complete, the “FLC_V4” window pops up and indicates `Magic Watch installation successful`.
 - Close the window by pressing the **OK** button.

NOTE

If the system management installation failed, please make sure that you entered the correct values and repeat the installation procedure as described above.

Reinstalling FLC Online Help and Online System Help for UROSKOP Access

To reinstall the FLC Online Help proceed as follows:

- Start the FLC service mode.
- In the service mode, select **System > System Settings**.
 - Insert the “FLC Online Help for UROSKOP Access” CD (SPL5-330.880.01) into the CD drive and wait until the LED stops blinking.
 - Press the **Parameter Update** button.
 - ⇒ A command window pops up.

- Enlarge it and follow the instructions on the monitor.
- Remove the CD from the drive.

To reinstall the Online System Help for UROSKOP Access, perform the following steps:

- Insert the “Online System Help” CD into the CD drive and wait until the LED on the drive stops blinking.
- Press the **Parameter Update** button and follow the specific instructions.

Copying patient studies from an old hard disk to a new hard disk with an empty image partition

NOTE

This step is necessary when a PC is replaced and the customer wants to save patient studies from the hard disk of the old PC to the hard disk of the new PC.

Prerequisites

- The step ([New installation of software including partitioning of the HDD / p. 12](#)) must already have been performed **completely**, including the restore of the site-specific data.
- There are no images on the hard disk.
- Switch off the system.
- Wait until the FLC has shut down.
- System power has to be turned off at the main breaker.

Work sequence

NOTE

The following hardware configuration is expected:

- New PC with new HDD already installed
- SW installed on new HDD

- If not already done, remove the left and the front cover from the PC now.
- Remove the 5 1/4 inch cage below the hard drive cage of the new PC and reinsert it with the hard drive from the old PC.
- Connect the old hard disk to the slave channel of the primary IDE controller cable.

NOTE

Do not forget the power cable.

It is not necessary to set any jumpers.

- Switch on the system at the generator and wait until the application is running.
- Enter the service mode.
- Select **System** and then click on the **Image Rescue** tab card.
- Click on the **Save** button.

The Command window opens in the bottom right corner (below the menu). It is very small. Increase the size by clicking on the corresponding NT symbol or:

- Click on the title bar and drag the window to the top left corner of the screen.
- Increase the size of the window (bottom right corner of the window) so that you can see the full text (also use the scroll bars).
 - ⇒ The following message is displayed: Do you want to save the images?
Enter 1 for yes, 0 for no
- Press **1** and **Return**.
 - ⇒ The copying of the images starts.

NOTE**Do not make any entries until copying is finished!**

- ⇒ After a while, the following message appears: Image saving completed successfully! Press any key to continue...
- Press any key and close the **System** window with **OK**.
- Exit the service mode and switch off the system.
- When the FLC has switched off, remove the old HDD from the PC and reinstall all covers.
- Switch on the system and wait until the application is running.
- Enter the service mode.
- Select **System** and then click on the **Image Rescue** tab card. Click on the **Image Rescue** button.
 - ⇒ A pop-up window appears.
- Confirm the window with **OK**.
 - ⇒ After a few seconds, the Image save completed successfully message is shown.
- Close the window with **OK** and exit the service mode.
 - ⇒ All patients are restored.

Installing Hotfixes/SW patches

- If there are patches for the FLC application software or Microsoft Hotfixes available, install them according to the appropriate "Update Instruction" document.

Final work steps

- Check to make sure that all options for the site are available.
- Switch off the system.
- Wait until the FLC has shut down (this may take up to 2 minutes).
- Switch on the system and wait until the FLC application software is running.
- Check for correct functioning of the image flip with fluoroscopy.
 - ⇒ This is the end of the software installation procedure.

Restoring the HIPAA backup (optional)

- If the HIPAA option is installed, contact the customer network administrator to restore the HIPAA backup and the user passwords.

n.a.

